Scope

W6NWG

Palomar Amateur Radio Club Inc.

Post Office Box 73, Vista, California 92085-0073

PALOMAR AMATEUR RADIO CLUB INC. Since 1936 W6NWG San Diego County, Ca.

SEPTEMBER **** 1994 ** 58 YEARS OLD
Volume XX, Number 09
Published monthly by PARC
an ARRL Special Service Club
Membership $12including $3for SCOPE outside SDC.$4,Coffee7pm,Mtg.7:30pm Carlsbad Safety Center(CSC),Palomar Airport Rd.to N.on Camino Real(S11) east on Faraday .25 mi,left to CSC, ThomasBro.Pg.14F6. Talk-in 146.730.
Editor:Stan-W9FQN 30311 Circle R Ln
Valley Center, CA 92082-4806
749-0276, 11:30am or 9:45pm

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

*** E L M E R S *** (call for info)

CARDIFF, .	Duane-WB6R,753-4821
CARLSBAD, .	Ron-KM6MW, 436-6908
CHULA VISTA,	Steve-N6RUV,422-4415
ESCONDIDO	PresHarry-WA6YOO,743-4212
La MESA, .	Roger-N6UUW,697-6025
LAKESIDE, .	Mac-WB6GXR,561-2211
RAMONA, .	Vern-AA6UU,789-3070
SAN DIEGO, .	Dennis-N6KI,271-6079
$AN MARCO$.	Ralph-KC6WAN,727-7415
VISTA, . . .	Jack-KI6JM,598-0420
SAN MARCOS,	Rusty-AA6OM,747-5872

Prospective amateurs ONLY can call 1-800-32-NEW-HAM @ the ARRL Hdq 8am-5pm ET M-F for Ham Info.

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I N S I D E:

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Pg. 2 Board, Last Mtg,PARC Mail 2Ad
Pg. 3 Pres.QRM, Membership, HRO Ad
Pg. 4 Letters to Ed, AG0G0 5-10-25.
Pg. 5 Repeaters, Autopatches .. 2Ad
Pg. 6 Autopatch Rules, Work Parties
Pg. 7 For Sale, Wanted, ... 1Ad
Pg. 8 Picnic Cont, prizes, ...
Pg. 9 911, ARRL FM Repeaters, . 1Ad
Pg.10 Thanks, ...
Pg.11 2-Meter Nets, Work Parties1Ad
Pg.12 Application, ...

%%%%%%%%% C A L E N D A R %%%%%%%%%

Sep 3 Sat.Pal.Mt.Fire Dept BARBECUE
Sep 5 Fri.TASMA Mtg.LongB YACHT CLUB
Sep 7 Wed. PALOMAR ARC CLUB MEETING
Sep10 Sat.PARC VE Tests Carlsbad SC
Sep11 Sun.WORKPARTY REPEATER SITE**
Sep15 Thu. PARC 7pm Board Meeting
Sep18 Sun.PARC PICNIC DIXON LAKE **
Sep23 Fri.Deadline 4 SCOPE articles
Sep27 Tue. SCOPE into mail at Vista
Oct 2,3rd Annual SD Round-Up M.Park

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OPEN REPEATERS / CLOSED AUTOPATCHES

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PARC PALOMAR MT.REPEATERS(W6NWG):
PARC W6NWG trustee: Ron-WI6B
Auto Patches-4: 146.73-, 147.075+*
147.13+*, 449.425-*
PACKET: 145.05s; RTTY: 146.700
SIMPLEX: 145.350s,145.520s,446.000s
ATV: 1241.25T(out) / 919.25R(in),
ATV Intercom 146.43s PL 79.7Hz.
COVERING 2000 SQ-MI OF SDCo.
OTHER:224.38-*KK6KD; 224.9-*WD6HFR
146.175+*WA6IPD;*=All 107.2Hz

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NEXT MEETING KC6UQH

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VP Art McBride-KC6UQH has announced that the September club meeting will be by John-KE6CDH and Rod-AC6V who will continue on the last segment of their Packet demonstration and talk.

(S)HOW & (T)ELL: See Art-KC6UQH B4 meeting to reserve time.

%%%%%%%%%% - HUMOR ? - %%%%%%%%%%

AT&T VIRUS: Every three minutes it tells you what great service you are getting.

MCI VIRUS: Every three minutes it reminds you that your're paying too much for the AT&T virus.

TEXAS VIRUS: Makes sure that it's bigger than any other file.

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PMt. F I R E Dept. B A R B E C U E

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September 3rd the PALOMAR FIRE DEPARTMENT will be holding their annual Labor Day Barbecue at the new fire station at the top of Palomar Mt. Drive to the top, turn right 100 yards and you will see the new building. There will be lots of good food and probably music.

PFD is important to PARC and we need to be known to the Palomar Mountain Community as supporters of PFD. We hope that many of our members will attend this worthwhile cause. Be sure to wear your PARC badge and your HT(s) with LONG antennas for maximum exposure (public that is). (It would be nice if we could set up a table and provide "free" messages at the event -Ed.)

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P I C N I C KE6CDH

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PARC's annual picnic will again be at Dixon Lake on the north edge of Escondido on September 18th near the entrance to the park, Poppy 1, 2, 3, & 4. Take I-15 going north out of Escondido, east on El Norte Parkway (exit) several mile, north on La Honda, enter park ($1/car), turn right about 100 feet and the park area is on the left. If you park just outside the park entrance, you can save $1 per car and just walk into the first park area where all the antennas are. The inside parking lots fill up early. Sometimes by 9:30am so come early. (Seniors sometimes pay less.)

Cont.pg.8

BOARD MEETING (voting):
President : Harry Hodges, WA6YOO
VPpresident: Art Mc Bride, KC6UQH
Secretary : Nash Williams, W6HCD
Sec(temp) : Jack Hanthorn, KI6JM
Treasurer : Jennifer Thieme, KM6WG
RTechnical : John Kuivinen, WB6IQS
SCOPE/etc : Stan Rohrer, W9FQN
Membership : Ralph Powell, KC6WAN
Board Member:Mike Doyle, AB6QT
Board Member:Rick Zimmermann, KC6LV
(non-voting)
OTHERS:Sybil-W6GIC-ATV,Mike-KD6VHI,
Training/FD/ATV: Bill Smith, KB6MCU
Constitution: Jack Hanthorn-KI6JM
BBS: John-KE6CDH,Gail-KM6WF,Marvin-WB6PKK, & Ken-N6ALA.

Club members are invited to attend Board meetings to observe the Board of Directors in action ..or non-action ..and receive one activity pt. for attending. GREAT BROWNIES, HARRY! (Time 7pm-9pm)

- SECONDS -

DISCUSSED: EquipBal $1154, Gen $.22, PrePd $7921, PO $125, ATV $25; donated vault?; donated trailer from Boy Scouts; picnic; ATV; donated Zerox machine (NW); autopatch move; Taylor's new move; programs; Americas United 224.38; non-payment of rental and SCOPE ads; earthquake detector on 146.73; WQ6V airmast trailer to be broken up with airmast returned to PARC.

APPROVED: 3-controllers $270; picnic $75 ham + 250 prizes; BBS project start; next work party Sept 11th;

Please contact one of the board members for more info or see the secretary for written minutes.

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NEWSLETTER HELPERS AUG. SCOPE:
KI6JM,Jack Hanthorn,Folding,Refresh W6TFB, . Lloyd Hunt, . Folding N6TCB, . Jerry Carter, Pasting KC6WAN,Ralph Powell,Printing,Labels KB6YHZ, . Art Nye, . Folding WA6YOO, . Harry Hodges, . Staples KB6YHY, . Anita Nye, . Labels W9FQN, Stan Rohrer, Editor,PO Forms

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At the SCOPE Folding & Stapling (SFS), Lloyd-W6TFB announced that he had just been married to a long time friend of the family. Congratulations Lloyd!

The SFS group meets at Jack-KI6JM's QTH in Vista at 12:30pm & finishes abt 2pm. WE CAN ALWAYS USE MORE HELP. SFS is Tues of the week B4 club's 1st Wed club meeting. Receive 1 activity pt 4 participating in fun & games. Jokes told R "out of this world!"

XXXXXXXXXXXXXXXXXXXXXXX

Printed Circuit Board Design

J.T. (Tim) Low
N6ZUC

Phone or Fax @ (619)735-9125

2946 Amanecer Place
Escondido, CA 92027

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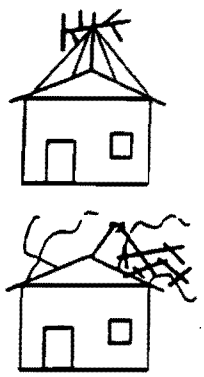

If your antenna system looks like this and you want it repaired, replaced or even removed, please call for a free estimate!
Radio systems installation, repair and removal, and interferance resolution.

Edward Ross, N6GZI
542-1405

Antenna Specialties

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L A S T M E E T I N G

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In attendance were 112 members, 11 guests, for a total attendance of 130. PLEASE COME EARLY and help set up chairs.

Many thanks to John-KD6CDH (and others) for Part I of getting started in Packet. More this coming month.

SHOW & TELL featured Bill-KB6MCU with yet another repeater that he built on 70cm.

ART-KB6YHZ supervised the coffee with BECKY-KE6BUE and Gerry Jones supervising the drink and goodie table with members bringing goodies:

The goodies were great & U were rewarded with "1" participation ticket.

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P A R C M A I L KC6WAN

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Occasionally a member's check gets way-laid several weeks when mailed to an officer's home or to the Editor. The following is how the PARC mail works ..most mail to Box 73 is picked up not less often than twice a week by me, the membership chairman. The treasurer also has a key to the post office box and picks up certain other mail (bank statements & bills for example.)

The membership chairman (KC6WAN) opens the mail, posts the members' accounts in the computer and deposits the checks. Checks received from others, advertisers for example, are also deposited by me.

Mail for an officer which is obviously personal is handed to him/her at the first opportunity (this could take 2-3 weeks -Ed). Any members' checks the officer or Editor has received at their home QTH are exchanged at the same time. You'll get the best, timely response for personal mail by mailing it to the individual's home QTH and the quickest recognition of your payment of dues by mailing such checks to Box 73.

CHECKS and MEMBERSHIP items go to Box 73 ..not the Editor.

PERSONAL communications go to the officer's home QTH unless you can stand a 2-3 week delay in the officer receiving the letter.

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PRESIDENTIAL QRM WA6YOO

August was a very busy month for Hams. First we had the 40th Annual Air Show at the Naval Air Station, Miramar. Amateur Radio Operators were out in force, operating ARES, RACES, packet, and portable stations. Some operators put in over twenty-four hours over the long weekend in spite of the heat and humidity. On Saturday alone, Hams helped reunite over 125 lost children with their distraught families. Well done!

Although this might have been the last air show to be held at Miramar, the ARRL Southwestern Division Convention will not be the last ham convention in San Diego. Held at the San Diego's Town and Country Hotel and Convention Center in Fashion/Mission Valley, hundreds of Hams from far and wide converged on the convention to ooh and ah at the latest equipment, enjoy a dinner cruise on the bay, attend numerous technical and educational forums, applaud presenters at the banquet and DX breakfast, WIN many, many prizes, and leave the scene vowing to attend many, many more!

Now in September we have our own annual picnic. To be held at Lake Dixon on Sunday, September 18th. This is always a fun affair for all the family. Lots of food, room for the kids to run, and great prizes. The weather should be just perfect. Plan now to attend. John, KE6CDH has volunteered to chair this event so if he asks for volunteers to lend a hand, be sure to step forward.

On Sunday, October 2nd the Club will participate in the Third Annual Ham Radio Roundup in Missile Park, Missile Road and Clairemont Mesa Blvd. We will feature Amateur Radio Television (ATV) and will also support Challenger Junior High School with whom we have a Partnership in Education agreement. Gates open at 7:00am for setup and the activity begins at 10:00am for the public. Mark your calendars band be sure to attend. Sign in at our display and get a drawing ticket for next year's picnic.

Finally, don't forget to bring in an unused sweater or sweatshirt as a contribution to "Sweater Saturday", October 1, 1994. All items will help the elderly, the needy, children, families in crisis, manage to stay warn this winter. Please go through your closets and chests, bring what you can to the September 7th club meeting. This project is jointly sponsored by SDG&E, Vons, KGTV Channel 10, and KSON.

73, Harry WA6YOO.

M E M B E R S H I P KC6WAN

NEW CLUB MEMBERS wanting confirmation of their membership and/or an autopatch information sheet and/or FCC 610 form should send to me at the club's address a (S)elf-(A)ddressed (S)tamped (E)nvelope (SASE) requesting same or see me at the next meeting. =SK=

We usually loose between 60-120 members on August 1st with about half of those having moved and the REST JUST FORGOT TO RENEW.

We ended up the year with a

record 809 members and as of 8-10-94 we have 742 members with several applications being processed. We are estimating a new membership record by July 31st 1995 of over 850. If every club member made an effort to help with obtaining new members by talking to new hams in the San Dieg area and then inviting them to join PARC, we could easily be over 950 by July 31st. WITH YOUR HELP WE CAN MAKE 950! PARC is already the biggest CLUB in San Diego County and is just under SANDRA, a repeater organization, which has about 950+ members.

It is not our objective to be the biggest group in San Diego. We only want to be the best at serving the most amateurs. There are about 7,000 amateurs in SDCo and better than 10% of them belong to PARC which is pretty good since there are over 10 other clubs, associations, or groups in the county.

In "talking up" PARC, remember that our strong points are: 1)low dues, 2)five autopatches, 3)four voice repeaters, 4)digital communictions, 5)great meetings, 6)friendly club members, 7)nets which serve most ham interests, Emergency prepardness, 9)a new ATV repeater, 10)license testing and test training, etc.

(new)/(RENEWED in CAPS):

6YRS= Scott Belfield-KD6FY

3yrs= BEN-KD6SHS BRIGGS-KD6LQY CONAHAY-WB6NUV ALAN-WA3HHC MIKE-WB6HHV

2yrs= C.Reeves Larry-w6sac Bill-ke6ilp Jose-kd6iyx Maria-kd6iyi Dan-kd6dkm Pete-Singer BILL-K6MHG DICK-KD6KHU HARVEY-KC6SFM KIRKES-KC6PASfam GRANT-N6RUV STIDD-N6XXV RUGG-W6DVZ PALMER-KE6BJA GOODMAN-KC6TYT LEBROCK-AB6YA JOE-N6RVO MARCHAND-KD6MKC MIRDAS-AB6IU WOODWARD-KC6MWJ CARRY-K6ICG *TONY-KA6TNI* TOM-KM6KQ SUSAN-KD6DKA CHARLES-KE6CDJ KEN-N6ALA DOUG-KE6GXQ JOE-K6CV TIM-KD6CNH PARVIZ-KD6BCV GEORGE-KB6AQS ERIC-KB6EPO

1yr= Steve-ke6jgk Tim-ke6jdr Paul-wd6brx Curt-ke6knp D.J.Summers Larry-ke6gwh Todd-ke6jgj Martin-Picha Lee-Picha Lorie-ke6gsk Mario-ke6joj Leroy-O'Conner Frank-ke6iqv Steve-ke6gxp Allen-n2dca John-ke6joi Tom-ke6hrl JAKE-N5QLG PATCHEL-WA6IWKfam CHUCK-KM6LF TED-WH6MC WILHELMY-WI6Bfam ONEIL-N6NWR3 MARK-WA6DOC WAYNE-W6RWV VOLLMER-KE6CDNfam JOHN-WA6ZJC PHIL-WF6L JON-KD6JXM NOBLIT-KC6MLMfam ALLEN-AB6WX CORNELL-W6MMO PAUL-KD6JXLfam PUGH-WA6HYB MIKE-AB6QTfam PAUL-WA6IPF BENSON-WA6BEJ DORR-KC6QJR STEDMAN-WB6Rfam EARL-W6TXKfam DON-WD6FWE MARK-AA6TR ELEANOR-N6QJE PAUL-KD6JXY FRANKLIN-KF6QHfam LAROSE-N6OJZ GATES-W4NYU JAMES-KD6REU ROB-WA3IHV RUBEN-KD6CWI DICK-W6OML STUTZMAN-N6UZN PHIL-KK6NS KD6WZ TOM-WB8BHE CATHY-KB0FDV MIKE-KC6RSF LARRY-W6QCA LEO-N6BA JAY-KC6ZVG MARSH-W6SAX MARNI-KB6PCF ART-KC6UQH JOHN-KE6CDH DENNIS-N6KI SCHAACK-N6FYK BILL-N6COU KC6VDY GARY-KK6YB SAL-KK6RX KRIST-W6KTE RAY-N6AMD VIRGINIA-KC6WPF JOE-WA1CSO (we still remember you) JOE-WA6MOS BERG-KG6JA PHIL-AH6CW ED-K6II

73, Ralph 727-7415

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L E T T E R S to the E D I T O R

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UR editor and the board reserve the right to publish/edit all letters.

Received a nice note from Paul Stack, WA6IPF, who recently had a serious heart attack. Paul is a writer and author who lives in Vista and has written such books as THE NAIL, LAZARUS' CROSS, THE MILLION DOLLAR HOME RUN, FROM HELL TO PARADISE, BRUSTER THE ROOSTER, THE ADVENTURES OF LITTLE AND BIG WHISKERS, THE AMERICAN MAILBOX, RADIO ANGELS, THE SON OF A CB'ER, THE POOL SHARK, THE FORBIDDEN HAM, SNAKEHOUND, SHANA, and THE SPEAR OF LONGINUS. It is gud hearing you back on 2m again, Paul. =SK=

(de Mario KE6JOJ) ..a new virus, undetected by current virus scanners is making it's way into many computers, specially those of Internet users. ..originally believed to be only on the newsgroup alt.binaries.pictures.erotica ..it seems someone has effectively migrated the virus to many other shareware databases on the Internet. Since many bulletin boards receive or download software from the Internet, no one is quite sure just how many thousands of computers worldwide have been infected with the virus.

The "kaos4" virus was originally designed to be a harmless virus. NCSA in Carlisle, PA., reports that kaos4 is a nonresident infector of .COM and .EXE files and increases their length by 697 bytes. ..the virus can be a considerable nuisance because it may prevent booting from the hard disk and may render some infected programs inoperable. The only known method of clean-up is to re-boot from a known clean diskette and to repair or replace the system files and any infected programs. The virus contains the string "KOHNTARK" which is a pseudonym for a virus author who promotes the notion of "good" or harmless viruses. He is also noted for the ability of coding viruses that escape detection from virus scanners. Apparently he failed to accomplish that in this situation. =SK=

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KI6JM - A G O G O - W9FQN

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(9-89)(5yr) ..FD station totals 2,901 contacts ..Fred Young W6UAP SK ..Jack Forbes W6QP SK ..new 2m 1988 DB-264 antenna found to have "open" element ..club roster published.

(9-84)(10yr) ..W9FQN reported repeater tower base poured and looking for a crane to put up the upper sections ..picnic a success due to Emily-WA6ZKC.

(9-69)(25yr) ..ARRL SW DIV convention will be at the Hilton Inn in SD on Oct 17-19 ..picnic was a rousing success with Jack Forbes W6QP winning a Swan trasceiver donated by Swan.

%%%%%%%%%% - HUMOR ? - %%%%%%%%%%

Pse send humor to Ed. He needs it.

ROSS PEROT VIRUS: Activates every component in your system, just before the whole darn thing quits.

WB6IQS REPEATERS W9FQN

We have noticed the 146.73 repeater being keyed up from time to time during the early morning hours in step with the 145.050 packet node at our site on Palomar Mountain. There is also reason to believe that .73 might also be keyed up from a repeater which appears to have an output on 146.125 which is within 5kc of 146.130, the .73 repeater. If you can hear this other repeater on .125 and connect up its transmissions (voice peaks) with the keying of .73 we would appreciate any information that you might be able to give us: frequency, time of day, strength, etc.

On 8-7 the 147.130 repeater was removed from the repeater site for modifications:

a)addition of emergency DCpwr beep.
b)correct audio response problems.
c)prepare for"linking" audio input.
d)install a secondary alarm system.
e)reduce 3rd order harmonic output.
f)add a better PL encode circuit.
g)adjust autopatch audio levels.
h)install a new controller.
i)adjust timeout timer.

Bill-KB6MCU has again done a neat job of construction and has made up a small "emergency" repeater which can be substituted in a few minutes for 147.130, 147.075, or 146.730 simply by switching in the proper crystals. This emergency repeater can also be used at other locations where our repeaters do not presently cover and it can be used to replace our repeaters which are on the air but need modifications down at our "home" work benches.

Members should now be able to activate their PL Decode function on 147.13 since the emergency repeater has a good PL encode being broadcasted and the old repeater will have its PL encode modified to work properly when it is returned to the site.

This emergency repeater will be used to replace the 147.130 repeater while being worked on at Art-KC6UQH's QTH. We hope to have the 147.130 back at the site by the end of September when the emergency repeater will then be used to replace the 147.075 repeater which needs some of the same modifications. =SK=

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The repeaters are presently divided up among the Repeater Techs as follows:

145.050 PKT : John-WB6IQS + KB5MU
146.700 RTTY : John-WB6IQS
146.730 voice: Mike-AB6QT + WB6IQS
147.075 voice: Art-KC6UQH
147.130 voice: Art-KC6UQH
EmergencyRptr: Bill-WB6MCU
449.425 voice: Mike-AB6QT + WB6FMT
Autopatch Sys: Jerry-WB6FMT+ W9FQN
(Palomar Mt. + 3 entry points)
METROLINK Sys: John-WB6IQS + KB5MU
ATV Rptr. Sys: Bill-WB6MCU + WA6SVT
Simplex Rptr : Larry-AB6LY

If you have questions about any of the above repeaters, please contact the Tech in charge of the repeater.

WB6FMT AUTOPATCHES W9FQN

Please do not tell those you are talking to on the autopatch that you are talking from your "MOBILE RADIO" but do tell them that you are talking via "AMATEUR RADIO." Mobile radio is vague and could mean commercial radio (cellular telephone). =SK=

The following prefixes have been activated for area #2: 566, & 627. Are there any others that need to be added? =SK=

We are in the process of reprogramming all autopatches to accept prefixes in overlaping areas where there is no toll charge to PARC. This should be completed by September 7th and might account for some autopatches not going thru during the last week or so of August when we had troubles in reprogramming patch #2 in Mira Mesa. =SK=

PARC has made a slight change (*) in "how-you-say-it":

H O W Y O U S A Y I T
(N6YZZ = YOUR CALL)

1)*DIAL your 3-digit code
2)*N6YZZ MOBILE ACCESS PATCH
3) Listen for dial tone
4) Dial your 7-digit number
5) Complete UR conversation
6) When conversation is done say,N6YZZ MOBILE CLEAR PATCH
7) THEN touch the "#" button

Give your call AFTER your access code. By the time you give your call you will discover a dial tone when you release your microphone and you will be able to immediately dial your 7-digit number.

Items 6 & 7 cause the most

problems. When you are finished talking, perform #6, then turn off the patch with item 7.

This entire sequence assures PARC of getting your call twice on the PARC tape recorder. Failure to do so can result in loss of autopatch priviliges or the blocking of some of the numbers you call most often.

- R U L E S -

(1)Keep calls under 60 sec. (2)NO CHIT-CHAT just for the sake of talking. (3)NO BUSINESS and remember that it is PARC's definition of business! Not your difinition or the FCC's definition. If it SOUNDS like business to a control operator, then it is business by OUR difinition. (4)Say your call is VIA HAM RADIO. (5)Use the word "OVER" between transmissions. (6)Use PL107.2Hz for ALL patches even 146.73. (7)Don't give out patch CODES to anyone or mention them over the air. (8)Only members can DIAL codes but you can dial a code for someone that REALLY NEEDS A PATCH and he can dial the seven digits after the dial tone. (9)No calls when near a phone except for practice, testing, or as a demonstration. (10)911 calls have unlimited time but you must make a transmission every 60 seconds to automatically reset the timers. A KERCHUNK will reset the timers. This feature is available only on 911 calls.

The above rules are the ones approved several years ago by the PARC board including the definition of BUSINESS and have been on the PARC autopatch information sheet given to those that request the sheet.

Calling your place of business to say that you are going to be late is an FCC NO NO and a BUSINESS call. You can call your wife and mention you are tied up in traffic and hope she knows that she should call your work phone. If someone at work is possibly going to be placed in danger because you are late, then that call is permitted.

Mentioning that you are stopping by the grocery store is OK but you should not receive a long list of items to be picked up nor should you walk down each isle and ask your wife what she wants from that isle. Ordering pizza over the autopatch is a "direct" business call by PARC standards while receiving a list of "several items" (1-3 items) from your spouse for you to pick up is indirect business call and permitted ..but don't push it. The autopatch should be available for EMERGENCIES not for things you forgot to think about ahead of time.

PARC members need to remember that the FCC has certain rules and that the FCC GIVES PARC THE OPTION OF APPLYING STRONGER RULES for the use of its repeaters than the FCC rules. The FCC permits the ordering of food over the autopatch BUT PARC AT THIS TIME DOES NOT PERMIT IT ..SO DON'T DO IT!

Recent FCC rulings permit repeater owners (PARC) to set their own standards as to how their repeaters are used and to even restrict the use of their repeaters as to who can use them and who cannot use them.

Most of the 300+/month autopatch calls made on PARC repeaters conform to FCC and PARC's standards and our membership should be congratulated for their proper use of the patches.

The following members have been reported as having problems and were turned in by PARC control operators over the past two months with the last four digits of your home phone listed or the number you called so we don't embarrass you this month:

IMPROPER SEQUENCE: . . 4726 & 2286
MUSIC: . . . .(# called) 222-4255
BUSINESS CALL: 8752
IMPROPER LANGUAGE: 2196
QUESTIONABLE CALL: . . .(NL) . . .
UNCLEAR CALL SIGN: . . .(NL) . . .
*ordered food de fast food business

(NL)= None Listed

No control operator reported turning off an autopatch during the above period. (We were too late on the music.)

With the exception of IMPROPER SEQUENCE, please contact W9FQN ASAP for more information on the above problem(s) reported by a control operator(s) and to have your call or number removed from future lists. =SK=

CONTROL OPERATORS have the ability to TURN OFF your autopatch while you are running it and to "kill" the autopatch on that repeater or on all repeaters for any length of time they desire without notice or comment. They can also request that the number being called be placed on a "drop" list so that it cannot be called again ..like music being placed on the phone line. YOU can block out the music so it does not come over the repeater.

W O R K P A R T I E S W9FQN

REPEATER SITE WORK PARTIES, IF HELD, ARE USUALLY SCHEDULED THE SUNDAY IMMEDIATELY FOLLOWING THE CLUB MEETING ..and as needed. We meet at MOTHER's KITCHEN on PMt at 10:30am. Please bring a lunch, drinking water, & 5-10gal of water for our little tree seedlings."

During the winter it is next to impossible to work at the repeater site so much of our major work at the site is done during May thru October each year with few work parties during the winter months. IF YOU ARE GOING TO JOIN US, PLEASE COME UP WITH US SEPTEMBER 11TH, and/or OCTOBER 9th. If the wx holds, we might even go up NOVEMBER 6th. (Ur editor has worked at the 60' level on the tower near Christmas but that is really rare. Usually the icicles are hanging horizontally by that time of the year!).

NEXT WORK PARTY HAS SCHEDULED: underground bunker, battery shed extension, grounding, tower work, heliax runs, painting, site work, repeater modifications, security work, brushing, etc. Contact W9FQN for info: 749-0276.

SEE PAGE 7, SALE-WANTED, for items we need donated to the site.

Cont.pg.11

FORESAIL

Don't keel over!

Ph/send ads 2 W9FQN (C Ed's addr) B4 20th of mo. w/ur NAME, CALL, Ph #, & CITY. Personal ads FREE 2 members. Others cost 25c/col. line (35spaces). =SK=

NOTE #1: PARC is selling their maritime fleet! Rough water crusier WITH TRAILER, winch(s), wench(s), 50cal, lights, ores, etc. See to appreciate. Bring lifesaver(s) & ur own amo, cheap!: Stan W9FQN 749 0276 V.C.

NOTE #2: The person wanting CARRIER SHEETS for an electrostatic copier should contact W9FQN: Stan 749 0276 V.C.

(08-16) Bearcat Scanner 210 pro w/mag mt (2m+70cm) $35: John KD6TLF 747 9431 Esc.

(08-16) SWR & Pwr meter STRUTHERS DIRECTIONAL w/case 2-30MHz 144-470MHz 70-470MHz $130: Lief KE6BZP 223 4983 SD.

(08-11) Yaesu FT5200 144-440 dual band 3mo old 10hrs cost $700 need larger readout, exchange for 2400 or other mobile (45-50w) + cash; C-64 computer, 1541DD, printer (great for Packet); will demo Yaesu FL2100B linear 10-80 + WARC 572B's $400: Larry W7HKI 439 5855 Ocsd.

(08-10) RTTY machine KSR-35 all SS gears de police dept: Allen 739 1405 Esc. (Info thru Walt Huckabay W6JRQ-1916).

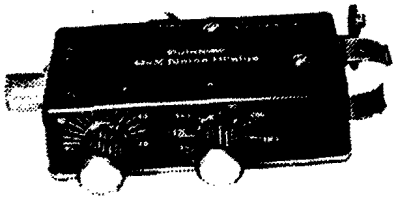
(08-3) ICOM IC-735 xcvr w/CW filter & mic $600; TenTec Scout xcvr 50w NB mic $475; Dentron AT-1k ant tuner 1kw $100; Diamond SX-200 SWR/Wattmeter 1.8-200MHz $65; Curtis EK-430 Iambic Keyer $50: Duane AA6EE 789 3674 Ramona.

(08-19) ICOM 47H 45w mobile $100: Tim NM7V 753 3567 Encinitas.

(7-6) Kenwood TS-130S, PS30, AT130 & desk mike w/stand gud condx: Dee N6ELP 753 5647 Encinitas.

(7-6) large selection tubes, sockets pwr supplies, xfmrs, xtals, spkrs, hardware, coils, pots, etc. All priced to move: Lee W6TDC 724 7460 Vista.

R-X Noise Bridge



- **Learn the truth about your antenna.**
- **Find its resonant frequency.**
- **Adjust it to your operating frequency quickly and easily.**

If there is one place in your station where you cannot risk uncertain results it is in your antenna.

The price is $79.95 in the U.S. and Canada. Add $4.00 shipping/handling. California residents add sales tax.

Send for FREE catalog describing the R-X Noise Bridge and our complete line of SWR Meters, Preamplifiers, Toroids, Baluns, VLF Converters, and Loop Antennas.

Palomar Engineers

Box 455, Escondido, CA 92033
Phone: (619) 747-3343

(7-5) IBM XT Computer & TNC Gud shape $125: Tim N6ZUC 735 9125 Esc, also packet 145.07 ESN N6ZUC.

(7-5) 15AH 12v VASA sealed batteries $5ea: John Sharp 740 5107.

(6-21)ICOM AC bat.chg BC-30 $25 OBO; Bencher Iambic paddle $40 OBO; MFJ delux elect keyer MFJ-407B $40 OBO; Motorola speaker $5: Curtis N6XXU 727 9254 Vista (wonder what OBO means -Ed).

(6-20)C-64 + Packrat best offer; 286 comp + mono + 1M HD $200; Robot Slow Scan w/camera $50: Ron AA7GL 549 4207 SD.

(6-?) Cushcraft A3 tribander beam with HD-73 rotor gd condx partly disassembled $140: Peter KG6JA 591 4400 San Marcos.

(6-14)Working Garant Windom "balun" 80-40-20-10m cost arm & leg new sell to ant Xperimenter w/o ant wire for $20: Russ WB6IOV 436 6714 Carlsbad.

(6-13)Yaesu FT-890AT w/CW filt $975; Yaesu FT-530 dualband HT + 800MHz $350, Delux remote headphones MH-29 $75, FNB-26 HT battery $50, charger NC-28B $20, & charger NC-18B $20; Astron RS-35M 12v DC pwr supply $130: Abe KC6UQA 432 8222 Escondido.

(06-02) HyGain V-2R collinear 2m vert $30; AEA Isopole 2-m vert $30: Duane AA6EE 789 3684 Ramona.

(5-12) PK-232MBX packet data controller (#49679) ex con swbox man 1991 not used 4 1.5yrs $200: Joe N6RVO 433 6885 Ocsd.

(4-5) Commodore C-64 printer new in box $75; Eltro voice mic $25; new FT-5200 OBO, will take 2m only w/large readout; Yaesu FL-2100B 10-80m linear w/spare 572's will demo $600: Larry W7HKI 439 5855 Ocsd.

==========

HIGHWAY ELECTRONICS:parts,(new/old) military. Ask 4Nick,967-7225 2 C if open(10-3pm),305 Wisconsin Ave,Ocsd

==========

WANTED

"Oh how I need you!

PARC IS LOOKING FOR THE FOLLOWING ITEMS (old?) FOR THE REPEATER SITE: 30-50' of fencing for tower protection, large & small hammer, axe, small wood saw, paint brushes, crowbar, small scissors, & old garden hoses. We always seem to need some of these items when we don't bring them to the site - W9FQN.

PARC is looking for hanging folders: legal and/or 11" standard. Prefer Pendalflex which will be used to store PARC club documents, technical notes, and equipment diagrams and instruction manuals - WB6IQS 727 3876.

(08-20) XCVR for 6m all mode: Alan N6AMR 434 5656 Carlsbad.

(08-16) Schematic &/or service Man. 4 MPI Printmate 350 printer: Dan W2LUK 592 9901 Poway.

(08-11) Small mobile Kenwood 130, ICOM 725, Yaesu 747 for I.O.T.A (exp') w/bracket, mobile linear & antennas for van, sure H/mobile Mic, Atlas P/sup cpi-matext-RTTY comm 64 unit, will pay cash or trade FT5200: Larry W7HKI 439 5855 Ocsd.

(8-3) copies of Kenwood Service Manuals for TS-450s & TS-50 xcvrs for Philippine amateur: Duane AA6EE 789 3674 Ramona.

(8-3) QSTs from 1940s to complete my library: Duane AA6EE 789 3674 Ramona.

(6-10) Hard disk drive for Zenith laptop ZWL-184-97 and manual for ZWL-0200-02: Mike AB6QT 742 1573 P.Mt.

PICNIC Cont.de.pg1 %%%%%%%%%%%%%%%

The club will provide "ham" (eating kind) punch, plates, and utensils but you can bring your own if you don't like a picnic atmosphere. YOU WILL NEED TO BRING ADDITIONAL FOOD ACCORDING TO THE FIRST LETTER OF YOUR LAST NAME and since you are bringing ONLY ONE DISH, bring enough of the assigned food to feed your family plus 6 more.

PLEASE NOTE THAT THIS AGAIN YOU CANNOT BRING (or buy) ANY ALCOHOLIC DRINKS: beer, wine, hard spirits, etc. This is a park rule enforced by the park rangers.

A->G, bring a hot dish
H->O, bring a salad
P->Z, bring a desert

If you have problems in bringing your assigned dish, we suggest that you pick another dish or bring chips, ice cream (iced), apples, etc.

PLEASE take SMALL PORTIONS your first time through the serving line so that everyone at least gets a chance at their favorate dish.

Sometimes there are not enough places to sit except on the ground. If you arrive late, we suggest that you might want to bring a folding chair along with a folding table and/or a blanket. PARC can reserve the small pavilions but not the tables next t them ..so you had better get there early to reserve "your spot."

RULES ARE ABOUT THE SAME AS ALWAYS:

1)participation tickets must be picked up AT THE PICNIC by you or by your representative who must have a written and signed permission slip to pick up the tickets AND any prizes that you might win.

2)you will receive tickets (MAXIMUM 20) for participation in designated club events from Aug.1st 1993 to Jul.31st 1994: meetings (1-12), work parties, VE testing program, Net controls, Field Day, contests, last year's picnic, committee heads (1-5), meeting goodies, etc.

3)the drawing will be at the club picnic at 1:05pm.

4)you or your representative must be PRESENT to win by showing a MATCHING ticket stub.

5)you are limited to winning only ONE PRIZE even though your ticket is drawn several times.

6)you must be a present member of PARC in good standing before tickets can be given to you. New members listed after July 31st '94 will not have tickets.

P R I Z E S

Many assorted small items
4 - $ 25 gift certificates
1 - $ 50 gift certificate
1 - $100 gift certificate

If you have changed calls during the year, make sure that when you pick up your tickets that you give your present call and then look through the computer "DUMP" file for your previous call to get all of your tickets. If you did not print your call neatly on the sign-in sheets, your corrupted call could also be in the DUMP file (ur editor always has troubles with the way members write U, V, C, G, etc., and some of you mix upper and lower case letters.

Children are welcome but you will need to watch and entertain them yourselves. there is a playing field for soccer, volleyball, softball, horse shoes, etc. but you will need to bring all of the equipment needed. There are also hiking trails down to the lake.

THE PROGRAM WILL BE -

9:00 Arrive and set up.
9:45->? Packet radio demo
9:45->? HT/Mobile Frequency & Deviation checking.
10:00 Autopatch Instruction
10:30 Direction Finding instruction with ur HT's
11:00 Hidden Xmtr hunting
12:00 Eat(low cal, low fat)
12:00-12:59 Pick up tickets
1:00 President's comments
1:05 Drawing of prizes
1:15->? Mobile Installations (be prepared to show yours)
1:30->? PARC BOARD available for questions/comments

PARC hopes that many of you will be able to attend the club's picnic. It should be a lot of fun ..and you might learn something. The picnic is a great opportunity for you to talk to the board members and club officers, to know other club members and their families, and to learn more about your hobby in a more personal way.

%%%%%%%%%%% - HUMOR ? - %%%%%%%%%%%

Pse send humor to Ed. He needs it.

OPRAH WINFREY VIRUS: Your 200MB hard drive suddenly shrinks to 80MB, and then slowly expands back to 200MB.

PAUL REVERE VIRUS: This revolutionary virus does not horse around. It warns you of impending hard disk attack ..once if by LAN, twice if by C:>.

POLITICALLY CORRECT VIRUS: Never calls itself a "virus", but instead refers to itself as an "electronic microorganism."

RIGHT TO LIFE VIRUS: Won't allow you to delete a file, regardless of how old it is. If you attempt to erase a file, it requires you to first see a counselor about possible alternatives.

CONGRESSIONAL VIRUS: The computer locks up, screen splits erratically with a message appearing on each half blaming the other side for the problem.

- 9 1 1 -

"In the Beginning" PARC saw the need to have some method for mobile operators to contact the police and fire units while driving. This was prompted by the fact that many times people in cars would call for help and no one was listening or near a phone to help them with the emergency.

PARC in the past has encouraged base stations to restrict their operation during mobile hours so that the mobiles would have an opportunity to chat in the mornings and early evenings. One result of this policy was that few (if any) base stations where available to handle emergency 911 calls. We also had the situation during the day when most people were working and some mobile had an emergency 911 call that needed to be made. Many times your editor has been mobile (or up in a tree) and he has heard other mobiles call in vain trying to get someone up to make a 911 call for them. Sometimes the frustrated mobile operator would make some snide comment about no one willing to help and disappear ..probably trying another frequency.

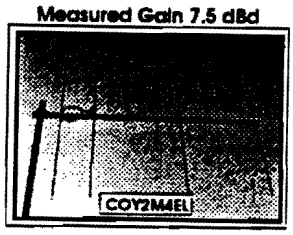
In order to correct this problem PARC (KA6UAI) installed an autopatch on 147.13 and then an autopatch system on ALL voice repeaters so that mobiles would not need to have a base station available to make the 911 call. We even "re-designed" the system so that 911 calls defeated the "time-out" timer.

RESULT: We have many club members who come up on frequency asking for someone to help them with a 911 call. Asking for a base station to make or help with a 911 call as probably ok but when no one answers, the SNIDE REMARKS ARE NO LONGER APPRECIATED. The mobile operator needs only to pull over to the side of the road and bring up one of the 4-autopatches (unlimited time-out) and make the call himself which is probably the most efficient way of handling the emergency situation since the mobile operator has all of the "facts" right at his/her finger tips which the 911 operator always seems to ask.

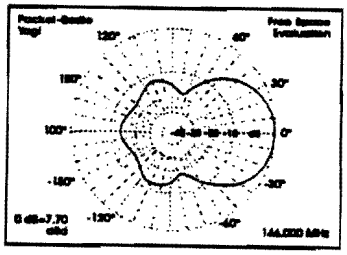
Swiech Communication Systems

Two Meter Yagi Great for Packet Radio or FM

Measured Gain 7.5 dBd



H-Plane beamwidth 60 deg
Bandwidth 144.5-147.5 MHz
SWR < 1.7 at Band Edge
Impedance 50 ohm
Silver Plated Teflon SO-239
Maximum Power 500 Watts
Chemfilm Treatment On Brackets
Balanced Matching System
Two Part RTV Potting
Black Delrin Insulators



(619) 748-2286
Gene Swiech, WB9COY

It is perfectly correct to ask for a base satation to DIAL 911 for you and then for you to do all of the talking. This would keep you from having to pull over to the side of the road to make the call. When you ask for help, you might also indicate your approximate location so that the person helping you with the dialing of 911 knows whether to run the 911 through patches 1, 2, or 3.

PLEASE DO NOT BLAME OTHER PARC MEMBERS FOR NOT ANSWERING A 911 REQUEST WHEN YOU SHOULD BE CHASTISED FOR NOT CALLING IN THE EMERGENCY YOURSELF. Remember, it IS OK to request help with 911 but it is your responsibility to call it in yourself if no one happens to be listening or is not near a phone. Someone is ALWAYS listening. Its just that they can't always get to a phone.

YOU REALLY SHOULD KNOW HOW TO USE THE PARC AUTOPATCH SYSTEM FOR 911 CALLS. If you need help with the system, the club has an instruction sheet with information. If you do not understand the instruction sheet, contact another club member who has been using the autopatch system or contact W9FQN by phone (749-0276) or at meetings. He will be more than happy to explain the simple procedure to make 911 emergency calls from any place in SDCo.

If you do not learn how to dial 911, then you have to assume FULL RESPONSIBILITY for not helping someone in need.

Club members may bring up the patches for non-club members so that they can make 911 calls but you will need to make sure that the non-club member on 146.73 is using a 107.2Hz PL which is required by the autopatch system. Even if you bring up the patch with your PL, the non-club member's voice will not be repeated to the telephone line without the PL. You will hear the non-club member's voice over the repeater but it IS NOT repeated to the phone line. NO PL ..NO TALKIE WITH WALKIE-TALKIE!

- F M R E P E A T E R S -

The following is copied from the ARRL REPEATER DIRECTORY, 1993-1994 edition with editorial comments on PARC policy in ( ).

1)MONITOR THE REPEATER TO BECOME FAMILIAR WITH ANY PECULIARITIES IN ITS OPERATION.

2)TO INITIATE A CONTACT SIMPLY

INDICATE THAT YOU ARE ON FREQUENCY. VARIOUS GEOGRAPHICAL AREAS HAVE DIFFERENT PRACTICES ON MAKING YOURSELF HEARD, BUT, GENERALLY, "THIS IS N6YZZ MONITORING" WILL SUFFICE.

3)IDENTIFY LEGALLY; YOU MUST IDENTIFY AT THE END OF A TRANSMISSION OR A SERIES OF TRANSMISSIONS AND AT LEAST ONCE EACH 10 MINUTES DURING THE COMMUNICATION. (PARC requests that you also identify at the beginning of your FIRST transmission. We also require identification after the autopatch access code and again before the "#" when you close it down.)

4)PAUSE BETWEEN TRANSMISSIONS. THIS ALLOWS OTHER HAMS TO USE THE REPEATER (SOMEONE MAY HAVE AN EMERGENCY). ON MOST REPEATERS A PAUSE IS NECESSARY TO RESET THE TIMER. (PARC repeater timers are set from 100-120 seconds. If you try to defeat the time-out feature with RESETS during your transmission, a control operator will probably turn off the repeater for 10-30 minutes. Only message handlers or emergency communications can do RESETS.)

5)KEEP TRANSMISSIONS SHORT AND THOUGHTFUL. YOUR MONOLOGUE MAY PREVENT SOMEONE WITH AN EMERGENCY FROM USING THE REPEATER. IF YOUR MONOLOGUE IS LONG ENOUGH, YOU MAY TIME OUT THE REPEATER. YOUR TRANSMISSIONS ARE BEING HEARD BY MANY LISTENERS INCLUDING MONHAMS WITH "PUBLIC SERVICE BAND" MONITORS OR SCANNERS; DON'T GIVE A BAD IMPRESSION OF OUR SERVICE.

6)USE SIMPLEX WHENEVER POSSIBLE. IF YOU CAN COMPLETE YOUR QSO ON A DIRECT FREQUENCY, THERE IS NO NEED TO TIE UP THE REPEATER AND PREVENT OTHERS FORM USING IT. (PARC encourages simplex operation only when the repeater is being used during mobile or "busy" hours or when there is the possibility of many others wanting to use the repeater. At the first sign of possible usage, you should go simplex ..if possible or move to another club repeater.)

7)USE THE MINIMUM AMOUNT OF POWER NECESSARY TO MAINTAIN COMMUNICATIONS. THIS FCC REGULATION (98.313(A)) MINIMIZES THE POSSIBILITY OF ACCESSING DISTANT REPEATERS ON THE SAME FREQUENCY. (PARC feels that if you use minimum power, emergency stations running more power than you could be more easily heard.)

8)DON'T BREAK INTO A CONTACT UNLESS YOU HAVE SOMETHING TO ADD. INTERRUPTING IS NO MORE POLITE ON THE AIR THAN IT IS IN PERSON.

9)REPEATERS ARE INTENDED PRIMARILY TO FACILITATE MOBILE OPERATION. DURING THE COMMUTER RUSH HOURS, BASE STATIONS SHOULD RELINQUISH THE REPEATER TO MOBILE STATIONS; SOME REPEATER GROUPS HAVE RULES THAT SPECIFICALLY ADDRESS THIS PRACTICE. (PARC restricts 6:30-7:30am and 4:30-6:30pm. Base stations are encouraged to monitor during these times but they should refrain from a lot of participation. Remember, we have three repeaters other than 146.73 that can be used.)

10)MANY REPEATERS ARE EQUIPPED WITH AUTOPATCH FACILITIES WHICH, WHEN PROPERLY ACCESSED, CONNECT THE REPEATER TO THE TELEPHONE SYSTEM TO PROVIDE A PUBLIC SERVICE. THE FCC FORBIDS USING AN AUTOPATCH FOR ANYTHING THAT COULD BE CONSTRUED AS BUSINESS COMMUNICATIONS. NOR SHOULD AN AUTOPATCH BE USED TO AVOID A TOLL CALL. DO NOT USE AN AUTOPATCH WHERE REGULAR TELEPHONE SERVICE IS AVAILABLE. AUTOPATCH PRIVILEGES THAT ARE ABUSED MAY BE RESCINDED. (PARC wants nothing that even SOUNDS line business. No pizza ordering, etc.)

11)ALL REPEATERS ARE ASSEMBLED AND MAINTAINED AT CONSIDERABLE EXPENSE AND INCONVENIENCE. USUALLY AN INDIVIDUAL OR GROUP IS RESPONSIBLE, AND THOSE WHO ARE REGULAR USERS OF A REPEATER SHOULD SUPPORT THE EFFORTS OF KEEPING THE REPEATER ON THE AIR. (PARC operates "open" repeaters where non-club members may use OUR repeaters on an OCCASIONAL basis. PARC's policy has been that if you have schedules on our repeaters, contact a family member several times a week, or participate in mobile communications on a regular basis, YOU SHOULD BE A MEMBER OF PARC. PARC dues are the lowest dues in the county for the number of repeaters which the club supports on Palomar Mountain and PARC feels that non-members have an obligation to not FREE LOAD but to support PARC in its operation of our repeaters which cover 2,000 square miles of San Diego County. Remember, dues are only $12/yr for an individual and $21/yr for a family no matter how many in the family. PARC members should encourage non-members who use our repeaters to support our considerable operation on Palomar Mountain for everyone's use and for use during emergencies situations. PARC's investment on Palomar Mountain could not be replaced for under $80,000 and 1,000's of hours of donated labor, gas and car trips to the mountain. SUPPORT WHAT YOU USE AND ENCOURAGE OTHER USERS TO DO THE SAME.)

The ARRL REPEATER DIRECTORY can be bought at club meetings or HRO and the price is around $6. If you are traveling, it is quite useful in locating repeater frequencies and the PL's they are using.

%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

Thanks to:

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Douglas Brigs-KD6LQY of Real Time Services in Poway donated a TV wave form analizer and vector scope for use in the ATV repeater project.

James Foster, KD6GEJ, for a $25 donation to a PARC's fund.

Greg Carlson, N7USR, for spotting an un-used Zerox copy machine and to Page Net for donating it to the club ..now if we can just get it working. Does anyone have any experience with these machines? Its big!

%%%%%%%%%%% - HUMOR ? - %%%%%%%%%%%

Pse send humor to Ed. He needs it.

Hold up 2-fingers in the "V" for victory sign. Then ask, "what is this?" ANSWER: a Roman soldier ordering 5-beers!

2 METER NET SCHEDULE
PALOMAR AMATEUR RADIO CLUB

146.730 Mhz(-) (no PL)						
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SAT/SUN
0830						(Sun) ARES
1000						(Sun) SAILORS
1915	RACES					
2000	SD Co TRAFFIC	SD Co TRAFFIC	SD Co TRAFFIC	SD Co TRAFFIC	SD Co TRAFFIC	SD Co TRAFFIC
2100	MICROWAVE	SD PACKET (VOICE)	SPANISH (2ND & 4TH)	COMPUTER HELP		(Sun) THIS WK IN SAN DIEGO

147.075 Mhz(+) (107.2 PL)						
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SAT/SUN
1900	CODE PRACTICE	CODE PRACTICE	CODE PRACTICE	CODE PRACTICE	CODE PRACTICE	
2000			LICENSE THEORY	HAM HELP		(Sun) MARA (2030)

147.130 Mhz(+) (107.2 PL)						
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SAT/SUN
1900		EVAC (2ND & 4TH)				
2200	KING HENRY'S	KING HENRY'S	KING HERNY'S	KING HENRY'S	KING HENRY'S	KING HENRY'S

R T T Y 146.700 Mhz(-) (107.2 PL) R T T Y						
TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SAT/SUN
2030	Q S O (RTTY)	Q S O (RTTY)	Q S O (RTTY)	Q S O (RTTY)	Q S O (RTTY)	(Sat) QSO (Sun) NET

WORK PARTIES de.pg.6 %%%%%%%%%%%

#26(7-23) ART-KC6UQH and GEORGE-KK6KD worked on the 224.38 repeater: adjusting filters, and pre-amp. Everything appears to be back to normal. George was accompanied by Ruben-KE6JGG.

STAN-W9FQN and his former HS Physics student (1965), Tom Gamble ex WA9GWB, brought items up to the site and watered some trees before a tour of the Palomar Observatory by MIKE-AB6LY.

#27(8-3) MIKE-AB6QT removed some small trees in front of the old block building which Stan had previously cut down and took them away for firewood. Mike also cut down several more to complete the 1st phase of clearing burnable material in front of our buildings.

#28(8-4) DAVE-KD6EBY performed his weekly schedule of checking the club's 1680x2 AHr battery banks and had to increase the charge on one of the two banks. Dave has stopped reading the MAX-MIN temperatures since they seem acceptable in the new building with the modifications previously made: added two large fans and painted the roof silver.

#29(8-6) HARRY-WA6YOO, Art-KC6UQH, and STAN-W9FQN moved a house trailer belonging to the San Marcos Boy Scouts (Troop 650) to Stan's QTH in Valley Center. Dave Lamber-K7WMA, a former club member, arranged for the donation. After a little paint and caulking it will be moved to the repeater site for storage of little used items: plywood, coax jumpers, rope, small parts, heliax rolls, several small antennas, etc.

REGISTERED
U.S. PATENT ATTORNEY
723-0620
Loyal M. Hanson - W9WV
Fallbrook, California

The the scouts had "gutted" the trailer and installed storage racks on three walls making it ideal for the club's use for storage. We will probably have a sleeping cot in the trailer in case someone has to be at the site for emergencies to keep a generator running. It sometimes takes us 10-15 minutes to get the buildings cleared out so that we can walk in to make adjustments to the repeaters. We will also be able to clear out one small metal military radio shed donated years ago by Bob-WA6QQQ. The shed could be used at another site for a packet node.

#30(8-7) We had a big friendly group on this workparty and were able to get a lot of work done well before dusk. It was great going down the hill with the sun still shinning. Our new parking lot was full of cars and trucks. Work done: CHUCK-KE6DCJ= painted the block building roof silver with a tar based paint which should also

PARC Membership Application

AMATEUR CALL	
CLUB MEMBERSHIP?	☐ NEW ☐ RENEW
ARRL MEMBER?	☐ YES ☐ NO
LAST NAME	
FIRST NAME	
STREET ADDRESS	
CITY	
STATE ZIP	
HOME PHONE	
WORK OR OTHER PHONE	
HAM LICENSE EXPIRES	
FAMILY MEMBERSHIP (List other calls and names)	1993
CLASS OF LICENSE	N T T+ G A E

Mail this form with your check to PARC, P.O. Box 73, Vista, CA 92085-0073 or hand to membership chairman at club meetings. We prefer checks to cash, it's safer and you have a record. Dues are $12 a year which includes $3 for the Scope, or $21 for a family all at the same address. Consider paying for two or three years at a time to reduce the work for the membership chairman.

Name, call and complete address are required. Telephone number is requested but may be unlisted in roster if you prefer.

For notification of acceptance and an autopatch information and code sheet send SASE with application or the receipt of the next newsletter mailed the last week of each month will be your only notification.

extend the life of the 17 year old shingles and replaced a shingle on roof; DALE-KC6WZI, TOM-KE6HRL, and DAVID-KE6DRA helped with all projects; BLANCA-KE6KTE= watered small seedlings; DENNIS & ZAC= painted block building eves; DAVID-KC6YSO= alarm system connections; JOHN-WB6IQS= cut down some small trees, helped with alarm system, MIKE-KD6VHI= heliax clamps, gnd strap phone line, interbuilding control wiring; BILL-KB6MCU installed lightning protection for three heliax ATV lines, connected up a lightning protector for the 110VAC lines leading to the ATV equipment, & autopatch system, replaced on a temporary basis the 147.13 repeater with the emergency repeater he constructed (C REPEATERS); ART-KC6UQH= soldering of 3" ground strap to SDG&E grounds and to the battery shed, helped replaced the 147.13 repeater, grounding of 220 club tower (started); JOHN-KD6CDH= was a visitor, talked about the requirements of a packet BBS along with ways of controlling input and output of the various sections along with possible locations of equipment; STAN-W9FQN= gave all of the of new people a guided tour of the repeater site which takes longer than you think: block building, new building, battery shed, tower, antennas, and lightning protection thru proper grounding grounding of buildings, equipment, heliax/coax, etc.

...and of course everyone helped each other as the need arose. All of the new helpers pitched in to remove cut branches and piles of old branches in preparation for moving the donated trailer to the repeater site.

SCOPE

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Picnic September 18th

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